Sintering 3D printing head

Title	Sintering 3D printing head
Basic technology outline	3D printing innovation Innovative three dimensional powder material print head Allows to process composite waste plastic powder materials Innovation with impact on lowering price of the technology, operating costs and input materials as well as broadening the scope of the input materials
Technology deployment	Parts prototypes special special shapes low series Suitable for manufacturing a broad range of products from composite materials Allows to produce products made of powder compounds containing wood, granite and other additives Economacally convenient solution for 3D printing of lower series, prototyppes and special shaped parts

Advantages over currently used solutions	Final products price of the techmology price of materials Final products printing (not medels as common 3D printers do) Allows sintering in local nitrogen atmosphere (nitrogen is pre-heated for increase in effectivity of sintering) Low acqusition price of the technology and service parts Low operation costs (low input power) Low price of input materials (use of waste materials from plastic products manufacturing) Low friction index of printed products Option of instalation of common 3D powder bed & inkjet head printers
Current status of technology	Patent protected technology prototype utility model application field (5031-2016) Successfuly tested prototype in operation conditions
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